ICF-C763/C763L

SERVICE MANUAL

Ver 1.0 2004.05

US Model
Canadian Model
ICF-C763
AEP Model
ICF-C763/C763L
UK Model
ICF-C763L

SPECIFICATIONS

Time display

UK, North and South America	12-hour system
Other countries/regions	24-hour system

Frequency range

Model for North and South America

Band	ICF-C763	Channel step
FM	87.5 - 108 MHz	0.1 MHz
AM	530 - 1 710 kHz	10 kHz

Model for other countries/Regions

Band	ICF-C763	ICF-C763L	Channel step
FM	87.5 - 108 MHz	87.5 - 108 MHz	0.05 MHz
AM (MW)	531 - 1 602 kHz	531 - 1 602 kHz	9 kHz
LW	—	153 - 279 kHz	3 kHz

Speaker

Approx. 5.7 cm (2 $^{1}/_{4}$ inches) dia. 4 Ω

Power output

200 mW (at 10 % harmonic distortion)

Power requirements

North and South American model : 120 V AC, 60 Hz
Other model : 230 V AC, 50 Hz

Dimensions

Approx. 115.5 x 105 x 110.6 mm (w/h/d) (4 $^{5}/_{8}$ x 4 $^{1}/_{4}$ x 4 $^{3}/_{8}$ inches) including projecting parts and controls

Mass

Approx. 665 g (1 lb 7.5 oz)
Approx. 675 g (1 lb 7.8 oz): ICF-C763L (UK model)
Approx. 600 g (1 lb 5.2 oz): ICF-C763 (North and South America model)

Design and specifications are subject to change without notice.

ICF-763
FM/AM PLL SYNTHESIZED CLOCK RADIO
ICF-763L
FM/MW/LM PLL SYNTHESIZED CLOCK RADIO

9-877-783-01
2004E02-1
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Personal Audio Company
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SONY®

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SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth Ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

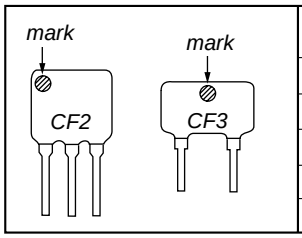
1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

• HOW TO CHANGE THE CERAMIC FILTER

This model is used two ceramic filters of CF2 and CF3.
You must use same type of color marked ceramic filters in order to meet same specifications.
Therefore, the ceramic filter must change two pieces together since it's supply two pieces in package as a spare parts.



Mark	Center frequency
no mark	10.70MHz
blue	10.67MHz
orange	10.73MHz
black	10.64MHz
white	10.76MHz

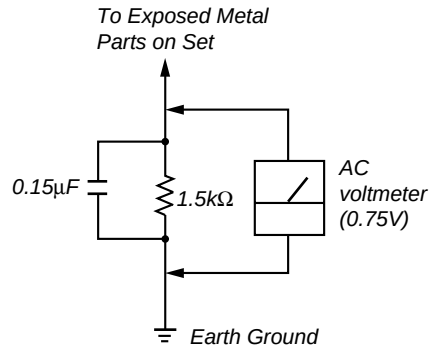


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION.
REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

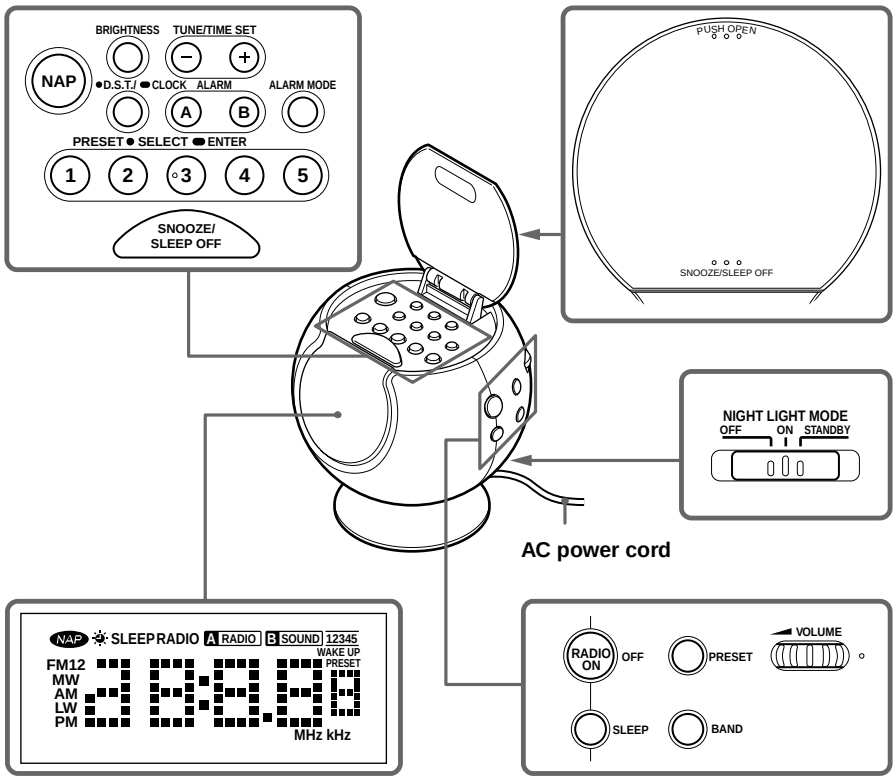
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

This section is extracted from instruction manual.

LOCATION AND FUNCTION OF CONTROLS

The PRESET 3 button and VOLUME have a tactile dot.



SECTION 2
ELECTRICAL ADJUSTMENTS

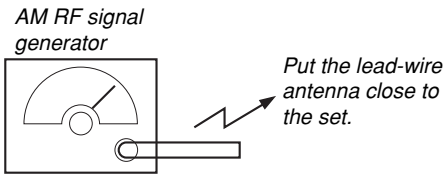
< > : ICF-C763L

TUNER SECTION 0 dB = 1 µV

• AM Section

Setting:

BAND button: AM <MW and LW>

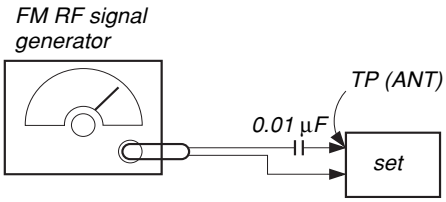


30% amplitude modulation by 400 Hz signal

• FM Section

Setting:

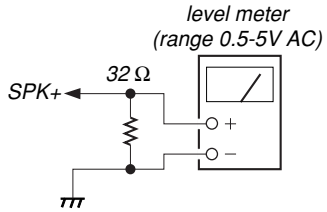
BAND button:FM



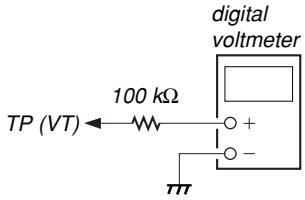
22.5 kHz frequency deviation by 400 Hz signal

output level : as low as possible

• Connecting Level Meter (FM, AM<MW and LW>)



• Connecting Digital Voltmeter (FM, AM <MW and LW>)



• Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

• ICF-C763 **[ ] : Italian model**

AM IF ADJUSTMENT
Adjust for a maximum reading on level meter.
T1
450 kHz

AM FREQUENCY COVERAGE ADJUSTMENT		
Frequency Display	530 kHz [531 kHz]	1,710 kHz [1,602 kHz]
Reading on Digital voltmeter	3.0 ± 0.1 V	10.0 ± 1.0V[9.0 ± 1.0V]
Adjustment Part	L4	<confirmation>

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L1	CT1
530 kHz [531kHz]	1.490 kHz [1.404kHz]

• ICF-C763L

MW IF ADJUSTMENT
Adjust for a maximum reading on level meter.
T1
450 kHz

MW FREQUENCY COVERAGE ADJUSTMENT		
Frequency Display	531 kHz	1.602 kHz
Reading on Digital voltmeter	2.75 ± 0.1 V	9.0 ± 1.0 V
Adjustment Part	L4	<confirmation>

MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L1	CT1
621 kHz	1.404 kHz

LW FREQUENCY COVERAGE ADJUSTMENT		
Frequency Display	153 kHz	279 kHz
Reading on Digital voltmeter	2.3 ± 0.3 V	9.0 ± 0.1 V
Adjustment Part	<confirmation>	CT4

LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L1	CT2
162 kHz	243 kHz

• ICF-C763/C763L

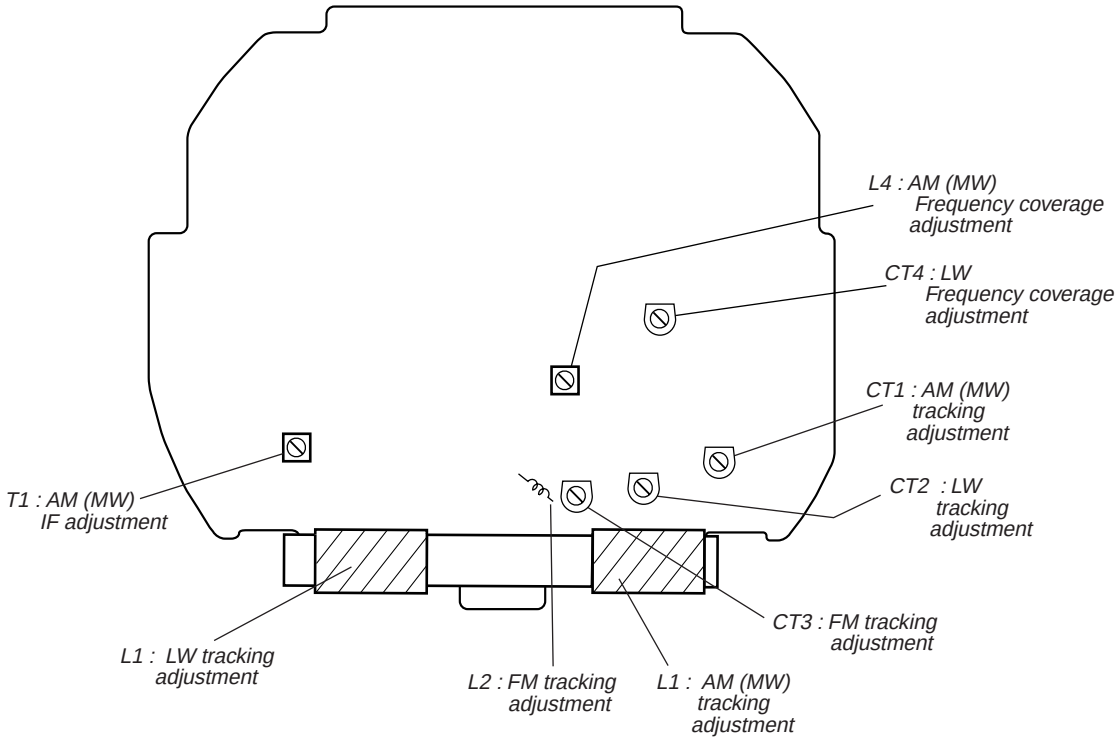
FM FREQUENCY COVERAGE CONFIRMATION		
Frequency Display	87.5 MHz	108 MHz
Reading on Digital voltmeter	3.2 ± 0.3 V	10.0 ± 1.5 V
Adjustment Part	<confirmation>	<confirmation>

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L2	CT3
87.5 MHz	108 MHz

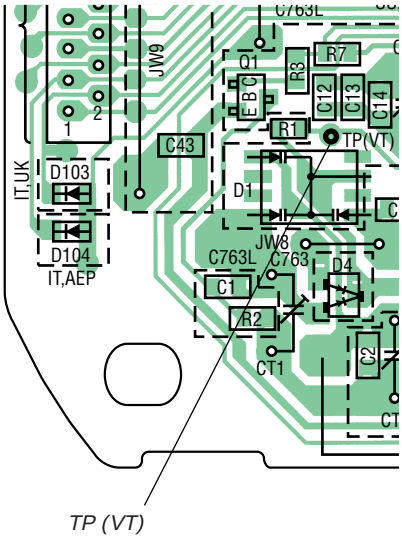
Adjustment and Connect Location: See page 5.

Adjustment and Connect Location

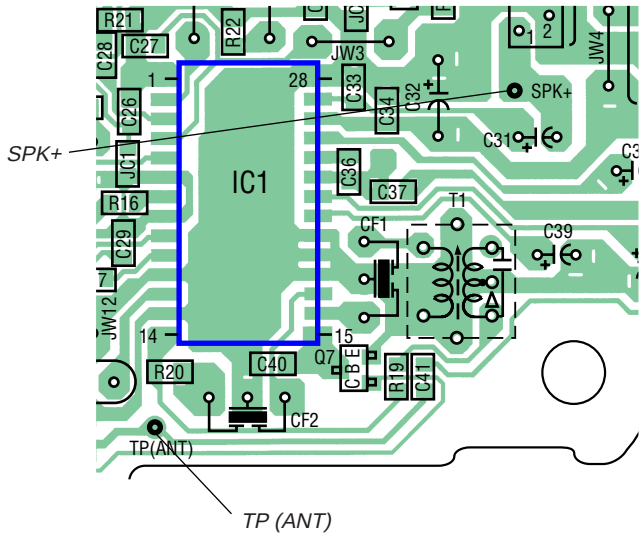
【*MAIN BOARD*】 *(Component Side)*



【*MAIN BOARD*】 *(Conductor Side)*



【*MAIN BOARD*】 *(Conductor Side)*



SECTION 3
DIAGRAMS

• Circuit Boards Location

Note:
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.

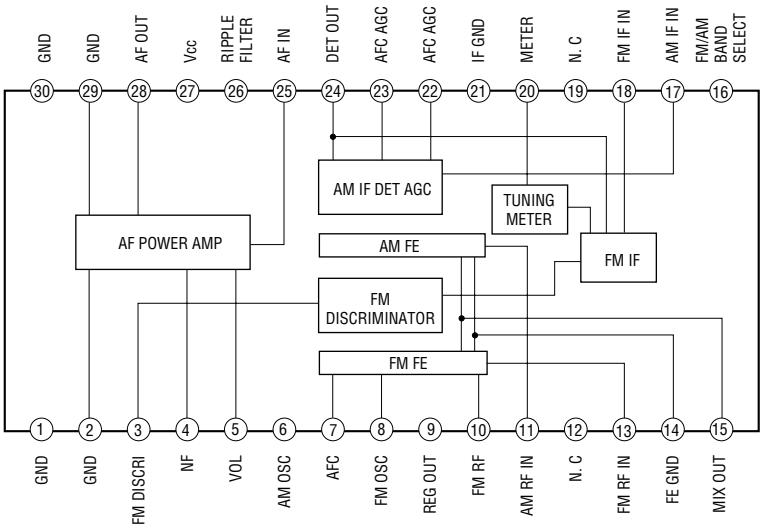
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- ▭ : B+ Line.
- ▭ : adjustment for repair.
- Voltages are dc with respect to ground under no-signal conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
  ➡ : AM
- Abbreviation
  CND : Canadian model
  IT : Itarian model

Note:
- ○——— : parts extracted from the component side.
- ▬ : Pattern from the side which enables seeing.

3-1. IC Block Diagrams

IC1 CXA1019M

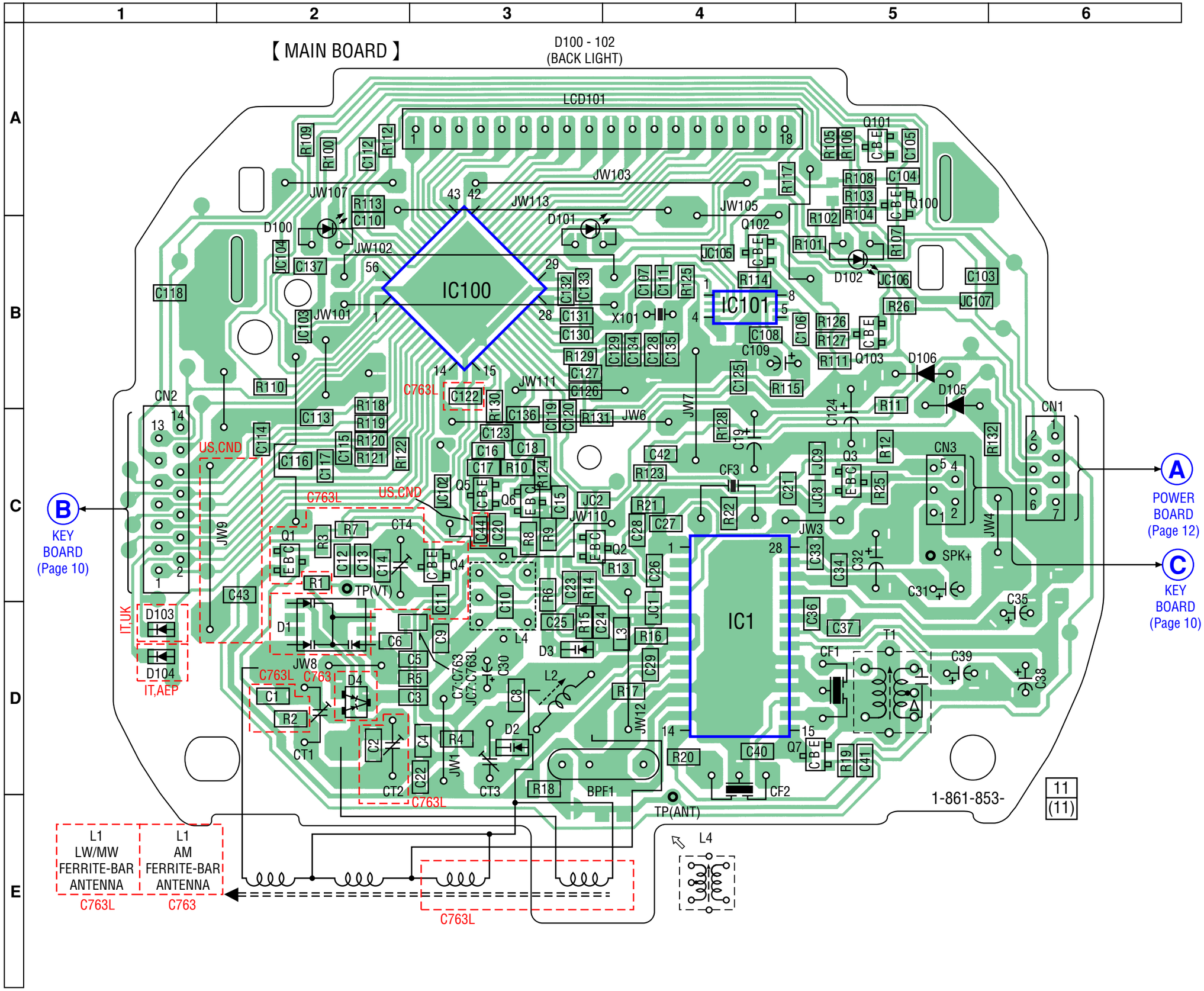


3-2. IC Pin Function Descriptions

• IC100 SYSTEM CONTROL (MPD17072GB-573-1A7)

Pin No.	Pin Name	I/O	Description
1, 2	BACK LIGHT1, 2	O	Back light LED
3, 4	ILLUMINATION1, 2	O	Illumination LED
5 to 9	KS0 to 4	O	Key source
10 to 13	KR0 to 3	I	Key return (Pull-down resistor: ON setting)
14	ILLUMINATION 2	O	Illumination LED
15	MUTE	O	Mute output
16, 17	BAND1, 2	O	Band output
18	GND	–	Ground
19	EO	O	Output for charge pump for PLL frequency synthesizer
20	VCOL	I	VCO input on AM band
21	VCOH	I	VCO input on FM band
22	REG0	–	Voltage regulator for PLL output
23	VDD	–	Power supply (+3V)
24	XOUT	O	Connected to crystal oscillator for system clock (75kHz)
25	XIN	I	Connected to crystal oscillator for system clock (75kHz)
26	REG1	–	Voltage regulator for oscillation circuit output
27	REGLCD0	–	LCD drive power supply terminal
28, 29	CAPLCD0, 1	–	Connected to the capacitor for doubler circuit
30	REGLCD1	–	LCD drive power supply terminal
31 to 34	COM0 to 3	O	LCD common output
35 to 49	LCD0to 14	O	LCD segment output
50	CE	I	Chip enable signal input
51	INT	I	Door open/close detect input
52	BEEP	O	BEEP output
53	MELODY ST	O	Melody IC starts playing
54	MELODY CK	O	Melody IC serial clock
55	MELODY DATA	O	Melody IC serial data
56	INTIAL	O	Initial output

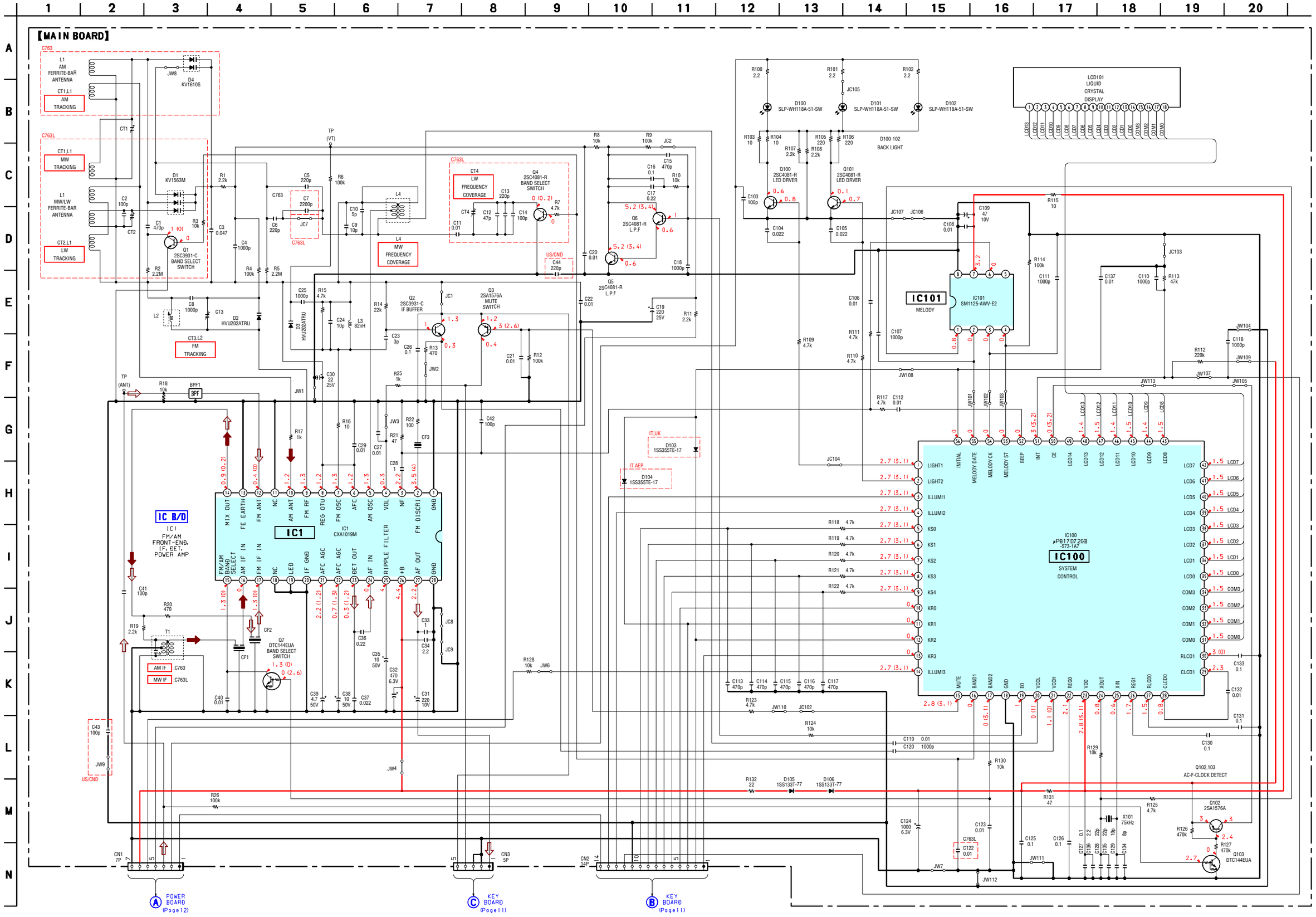
3-3. PRINTED WIRING BOARD – MAIN SECTION –



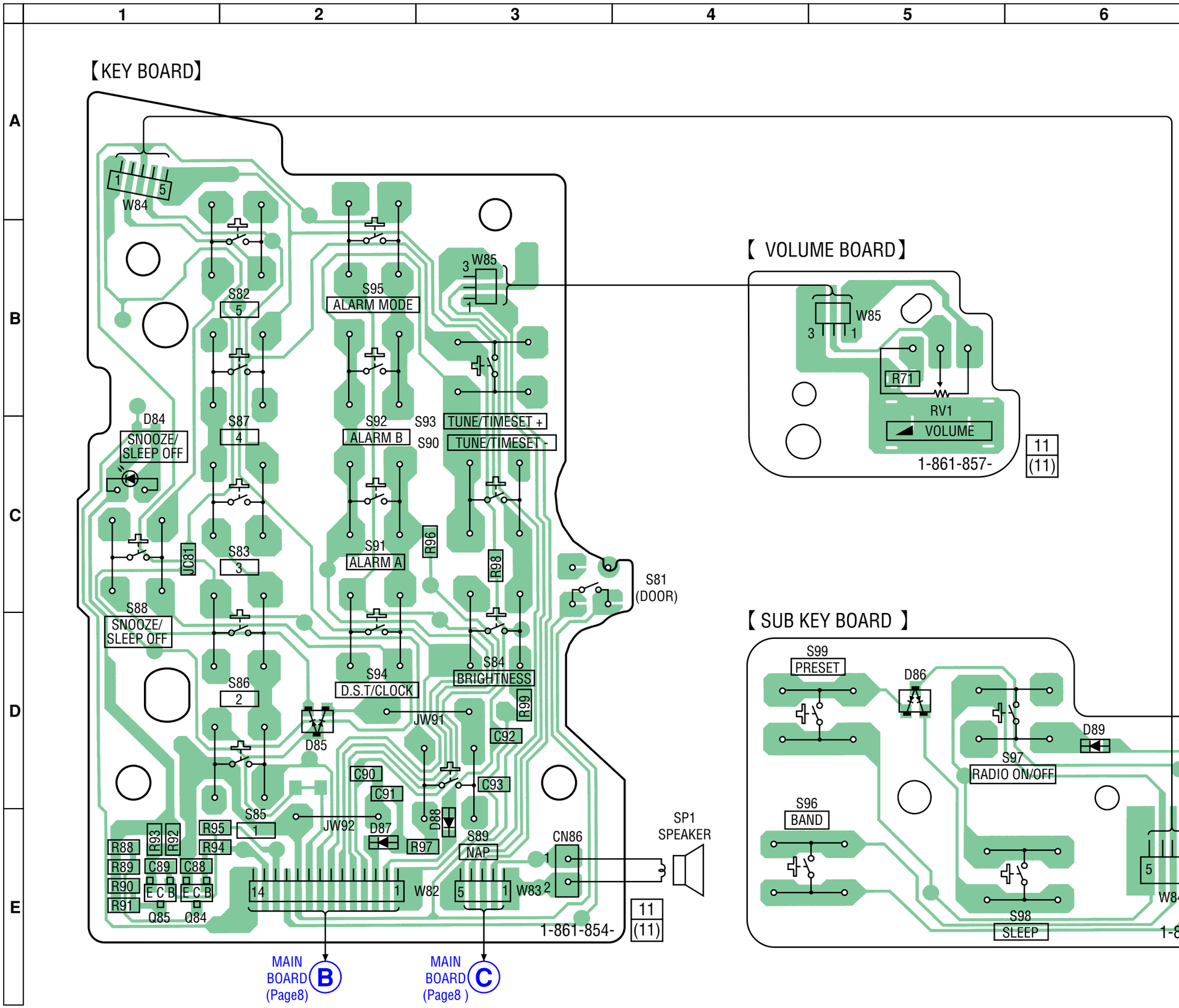
● **Semiconductor Location**

Ref. No.	Location
D1	D-2
D2	D-3
D3	D-3
D4	D-2
D100	B-2
D101	B-3
D102	B-5
D103	D-1
D104	D-1
D105	B-5
D106	B-5
IC1	D-4
IC100	B-3
IC101	B-4
Q1	C-2
Q2	C-3
Q3	C-5
Q4	C-3
Q5	C-3
Q6	C-3
Q7	D-5
Q100	A-5
Q101	A-5
Q102	B-4
Q103	B-5

3-4. SCHEMATIC DIAGRAM – MAIN SECTION –



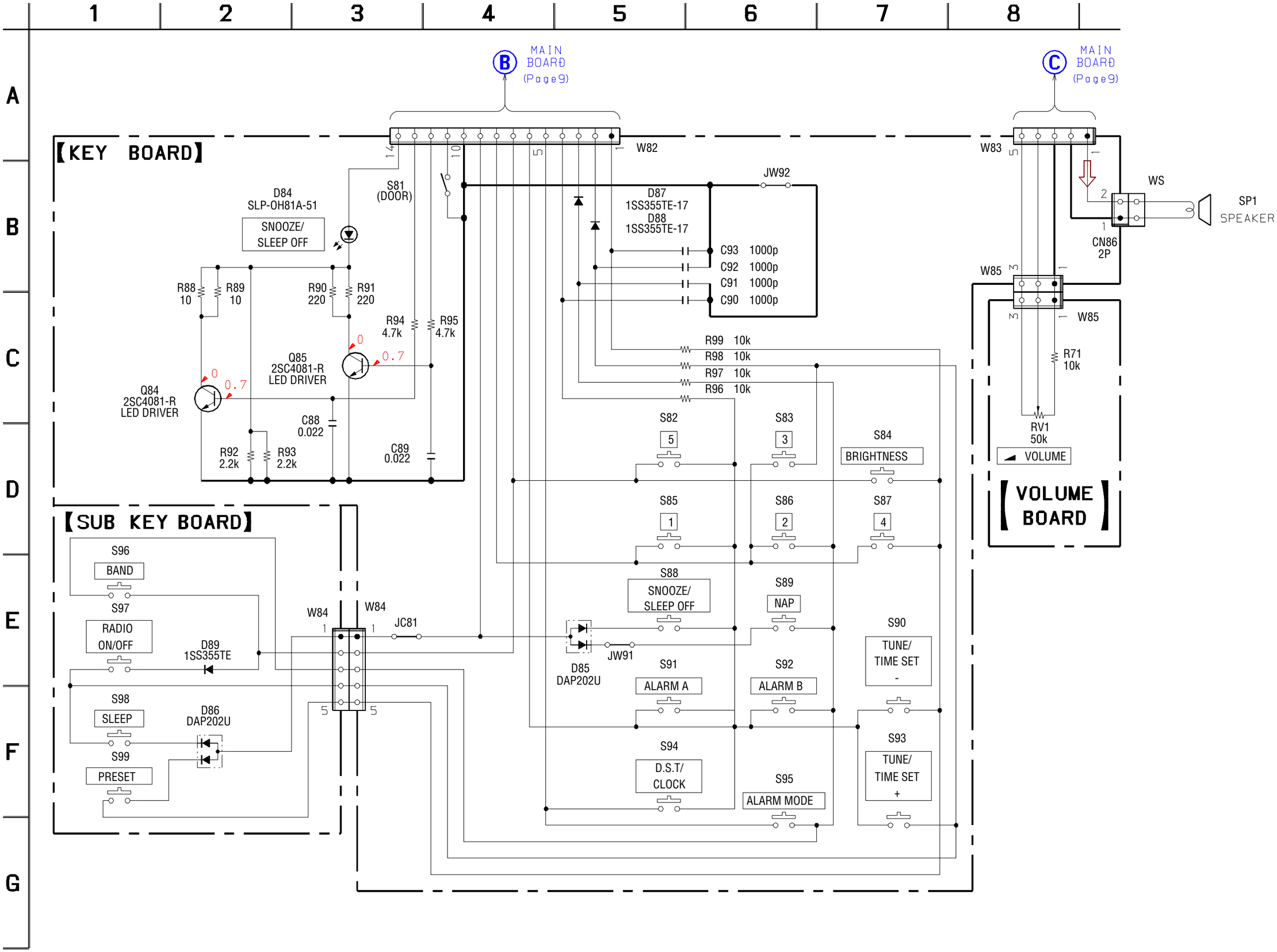
3-5. PRINTED WIRING BOARD – CONTROL SECTION –



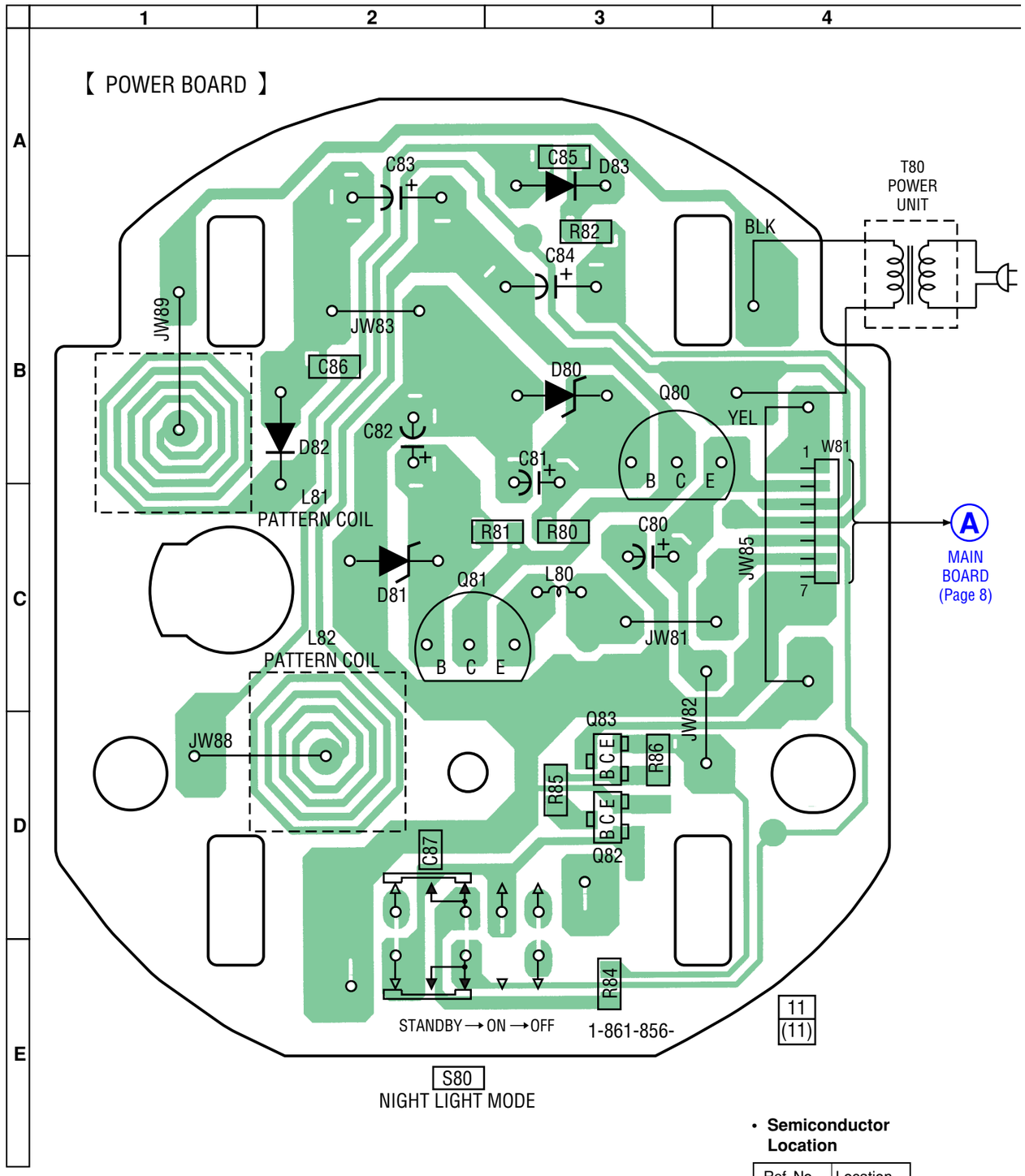
- **Semiconductor Location**

Ref. No.	Location
D84	C-1
D85	D-2
D86	D-5
D87	E-2
D88	E-3
D89	D-6
Q84	E-1
Q85	E-1

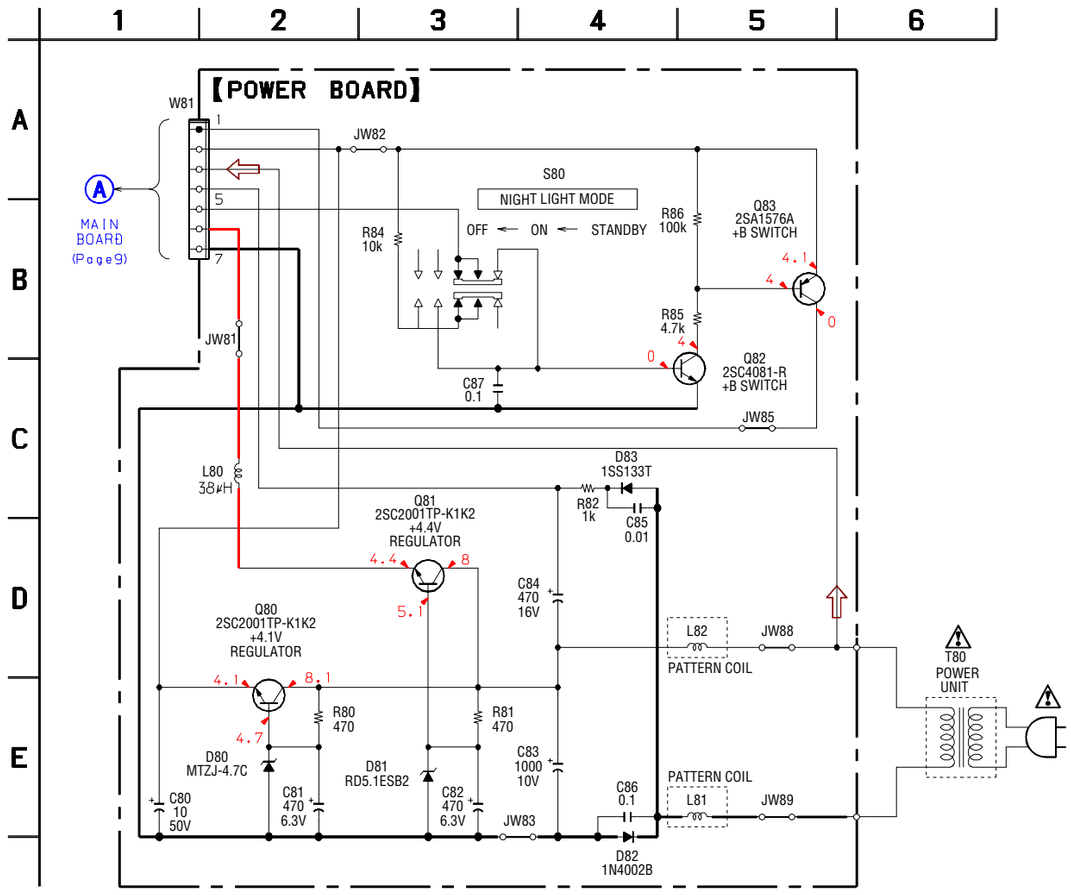
3-6. SCHEMATIC DIAGRAM – CONTROL SECTION –



3-7. PRINTED WIRING BOARD – POWER SECTION –



3-8. SCHEMATIC DIAGRAM – POWER SECTION –



- **Semiconductor Location**

Ref. No.	Location
D80	B-3
D81	C-2
D82	B-2
D83	A-3
Q80	B-3
Q81	C-2
Q82	D-3
Q83	D-3

SECTION 4
EXPLODED VIEW

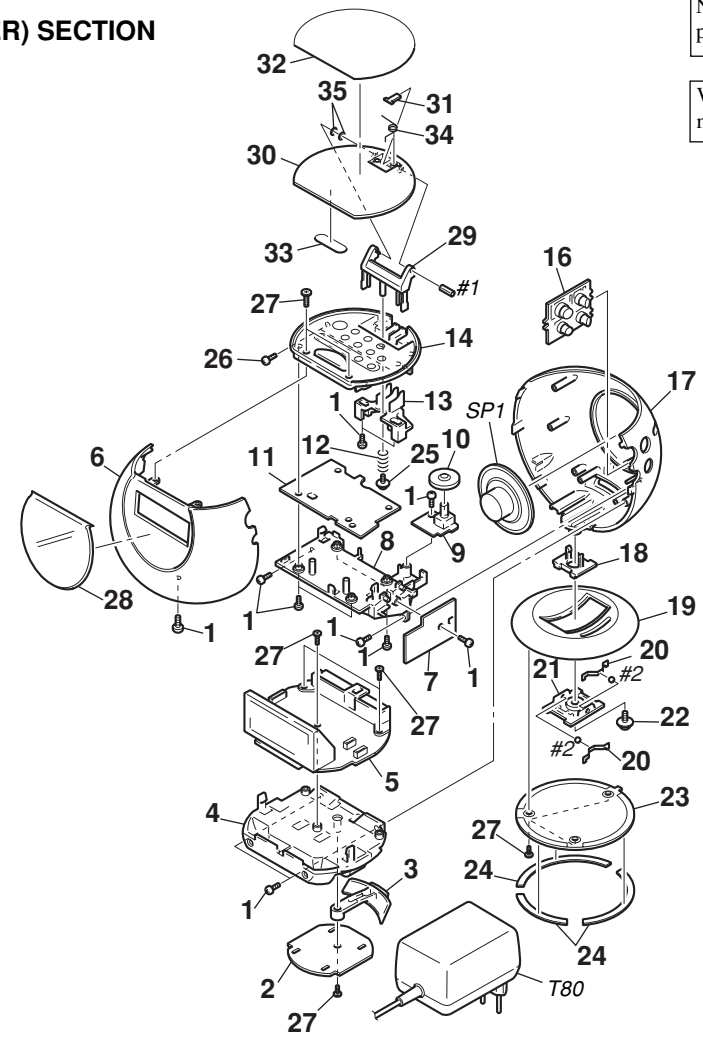
NOTE :
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of this parts list.
- Abbreviation
  CND : Canadian model
  IT : Itarian model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

4-1. CABINET (UPPER) SECTION



Ref. No.	Part No.	Description	Remarks
1	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
2	A-4547-466-A	POWER BOARD, COMPLETE (C763)	
2	A-4547-481-A	POWER BOARD, COMPLETE (C763L)	
3	3-265-388-01	KNOB (LIGHTMODE)	
4	3-265-381-01	CHASSIS (LOWER)	
5	A-4547-454-A	MAIN PC BOARD ASSY (IT)	
5	A-4547-472-A	MAIN PC BOARD ASSY (US, CND)	
5	A-4547-476-A	MAIN PC BOARD ASSY (UK)	
5	A-4547-484-A	MAIN PC BOARD ASSY (AEP)	
6	X-2023-066-1	CABINET (FRONT) SUB ASSY	
7	A-4547-463-A	SUB, KEY BOARD, COMPLETE	
8	3-265-382-01	CHASSIS (UPPER)	
9	A-4547-470-A	VOLUME (HAND) BOARD, COMPLETE	
10	3-265-387-01	KNOB (VOL)	
11	A-4547-459-A	KEY BOARD, COMPLETE	
12	3-265-396-01	SPRING (SHAFT)	
13	3-265-376-01	HOLDER (SHAFT)	
14	X-2023-067-1	CABINET (UPPER) SUB ASSY	
16	3-265-379-01	BUTTON (POWER)	
17	3-265-370-01	CABINET (REAR)	
18	3-265-385-01	GUIDE (STAND)	
19	3-265-384-01	COVER (STAND)	
20	3-265-398-01	SPRING (STAND)	

Ref. No.	Part No.	Description	Remarks
21	3-265-386-01	PLATE (STAND), CLICK	
22	3-252-830-01	SCREW (B3), (+) PWH TAPPING	
23	3-265-383-01	STAND	
24	3-265-401-01	FOOT	
25	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING	
26	3-254-058-01	SCREW	
27	3-254-081-01	SCREW	
28	3-265-372-01	WINDOW (LCD)	
29	3-265-375-01	SHAFT	
30	3-265-377-01	LID	
31	3-265-378-01	PLATE, CLICK	
32	3-265-393-01	PANEL (C763)	
32	3-265-393-11	PANEL (C763L)	
33	3-265-394-01	CUSHION (SNOOZE)	
34	3-265-397-01	SPRING (CLICK)	
35	3-265-402-01	RING, O	
SP1	1-544-517-51	SPEAKER	
⚠T80	1-468-672-21	POWER UNIT (US, CND)	
⚠T80	1-468-673-21	POWER UNIT (UK)	
⚠T80	1-468-674-21	POWER UNIT (IT, AEP)	
#1	7-626-314-11	SPRING PIN 2X8	
#2	7-671-113-01	STEEL, BALL 3	

KEY MAIN

SECTION 5
ELECTRICAL PARTS LIST

NOTE :

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE :Metal oxide-film resistor
  F : nonflammable
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ , for example :
  uA.... : µ A.... , uPA.... : µ PA....
  uPB.... : µ PB.... , uPC.... : µ PC....
  uPD.... : µ PD....
- CAPACITORS
  uF : µ F
- COILS
  uH : µ H

- Abbreviation
  CND : Canadian model
  IT : Itarian model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	A-4547-459-A	KEY BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C88	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C89	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C90	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C91	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C92	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C93	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CN86	1-580-181-11	SOCKET, CONNECTOR 2P			
		< DIODE >			
D84	6-500-921-01	DIODE SLP-OH81A-51 (SNOOZE/SLEEP OFF)			
D85	8-719-941-09	DIODE DAP202U			
D87	8-719-988-61	DIODE 1SS355TE-17			
D88	8-719-988-61	DIODE 1SS355TE-17			
		< SHORT >			
JC81	1-216-864-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q84	8-729-905-35	TRANSISTOR 2SC4081-R			
Q85	8-729-905-35	TRANSISTOR 2SC4081-R			
		< RESISTOR >			
R88	1-216-797-11	METAL CHIP	10	5%	1/10W
R89	1-216-797-11	METAL CHIP	10	5%	1/10W
R90	1-216-813-11	METAL CHIP	220	5%	1/10W
R91	1-216-813-11	METAL CHIP	220	5%	1/10W
R92	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R93	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R94	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R95	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R96	1-216-833-11	METAL CHIP	10K	5%	1/10W
R97	1-216-833-11	METAL CHIP	10K	5%	1/10W
R98	1-216-833-11	METAL CHIP	10K	5%	1/10W
R99	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< SWITCH >			
S81	1-570-953-11	SWITCH, PUSH (1 KEY) (DOOR)			
S82	1-771-550-11	SWITCH, TACTILE (5)			
S83	1-771-550-11	SWITCH, TACTILE (3)			
S84	1-771-550-11	SWITCH, TACTILE (BRIGHTNESS)			
S85	1-771-550-11	SWITCH, TACTILE (1)			
S86	1-771-550-11	SWITCH, TACTILE (2)			
S87	1-771-550-11	SWITCH, TACTILE (4)			
S88	1-554-937-11	SWITCH, TACTILE (SNOOZE/SLEEP OFF)			
S89	1-771-550-11	SWITCH, TACTILE (NAP)			
S90	1-771-550-11	SWITCH, TACTILE (TUNE/TIME SET -)			
S91	1-771-550-11	SWITCH, TACTILE (ALARM A)			
S92	1-771-550-11	SWITCH, TACTILE (ALARM B)			
S93	1-771-550-11	SWITCH, TACTILE (TUNE/TIME SET +)			
S94	1-771-550-11	SWITCH, TACTILE (D.S.T/CLOCK)			
S95	1-771-550-11	SWITCH, TACTILE (ALRM MODE)			
		< FLAT CABLE >			
W82	1-829-128-11	CABLE, FLEXIBLE FLAT (14 CORE)			
W83	1-829-130-11	CABLE, FLEXIBLE FLAT (5 CORE)			
W84	1-829-127-11	CABLE, FLEXIBLE FLAT (5 CORE)			
W85	1-829-126-11	CABLE, FLEXIBLE FLAT (3 CORE)			
**********					
	A-4547-454-A	MAIN PC BOARD ASSY (IT)			
	A-4547-472-A	MAIN PC BOARD ASSY (US, CND)			
	A-4547-476-A	MAIN PC BOARD ASSY (UK)			
	A-4547-484-A	MAIN PC BOARD ASSY (AEP)			
		**********			
	3-265-380-01	HOLDER (LCD)			
	3-265-391-01	HOLDER (ANT)			
		< BAND PASS FILTER >			
BPF1	1-236-022-11	FILTER, BAND PASS			
		< CAPACITOR >			
C1	1-164-315-11	CERAMIC CHIP	470PF	5%	50V (C763L)
C2	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (C763L)
C3	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C4	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C5	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C6	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C7	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V (C763)
C8	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C9	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C10	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V

MAIN

Ref. No.	Part No.	Description			Remark
C11	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (C763L)
C12	1-162-923-11	CERAMIC CHIP	47PF	5%	50V (C763L)
C13	1-164-230-11	CERAMIC CHIP	220PF	5%	50V (C763L)
C14	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (C763L)
C15	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C16	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C17	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C18	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C19	1-104-666-11	ELECT	220uF	20%	25V
C20	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C21	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C22	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C23	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V
C24	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C25	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C26	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C27	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C28	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C29	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C30	1-128-551-11	ELECT	22uF	20%	63V
C31	1-126-934-11	ELECT	220uF	20%	16V
C32	1-104-655-91	ELECT	470uF	20%	6.3V
C33	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C34	1-135-834-91	CERAMIC CHIP	2.2	6PF	6.3V
C35	1-126-964-11	ELECT	10uF	20%	50V
C36	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C37	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C38	1-126-964-11	ELECT	10uF	20%	50V
C39	1-126-963-11	ELECT	4.7uF	20%	50V
C40	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C41	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C42	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C43	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US, CND)
C44	1-164-230-11	CERAMIC CHIP	220PF	5%	50V (US, CND)
C103	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C104	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C105	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C106	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C107	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C108	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C109	1-126-947-11	ELECT	47uF	20%	35V
C110	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C111	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C112	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C113	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C114	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C115	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C116	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C117	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C118	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C119	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C120	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C122	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (C763L)
C123	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C124	1-126-916-11	ELECT	1000uF	20%	6.3V
C125	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C126	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C128	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C129	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C130	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C131	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C132	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C133	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C134	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C135	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C136	1-135-834-91	CERAMIC CHIP	2.2	6PF	6.3V
C137	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

< FILTER >

Ref. No.	Part No.	Description
* CF1	1-577-319-11	FILTER, CERAMIC (C763)
CF1	1-578-677-21	FILTER, CRYSTAL (C763L)
CF2	1-577-324-11	FILTER, CERAMIC
CF3	1-577-324-11	FILTER, CERAMIC

< CONNECTOR >

Ref. No.	Part No.	Description
CN1	1-770-638-11	CONNECTOR, FFC/FPC 7P
CN2	1-770-644-11	CONNECTOR, FFC/FPC 14P
CN3	1-770-636-11	CONNECTOR, FFC/FPC 5P

< TRIMMER >

Ref. No.	Part No.	Description
CT1	1-141-304-21	CAP, CERAMIC TRIMMER 10PF (AM TRACKING)
CT2	1-141-459-11	CAP, TRIMMER (SEAL TYPE) 45PF (LW TRACKING)(C763L)
CT3	1-141-304-21	CAP, CERAMIC TRIMMER 10PF (FM TRACKING)
CT4	1-141-459-11	CAP, TRIMMER (SEAL TYPE) 45PF (LW FREQUENCY COVERAGE)(C763L)

< DIODE >

Ref. No.	Part No.	Description
D1	8-719-023-99	DIODE KV1563M-3 (C763L)
D2	8-719-084-67	DIODE HVU202ATRU
D3	8-719-084-67	DIODE HVU202ATRU
D4	6-500-169-01	DIODE KV1610STL1-2 (C763)
D100	6-500-915-01	DIODE SLP-WH118A-51-SW
D101	6-500-915-01	DIODE SLP-WH118A-51-SW
D102	6-500-915-01	DIODE SLP-WH118A-51-SW
D103	8-719-988-61	DIODE 1SS355TE-17 (IT, UK)
D104	8-719-988-61	DIODE 1SS355TE-17 (IT, AEP)
D105	8-719-991-33	DIODE 1SS133T-77
D106	8-719-991-33	DIODE 1SS133T-77

< IC >

Ref. No.	Part No.	Description
IC1	8-752-050-16	IC CXA1019M
IC100	6-804-219-01	IC uPD17072GB-573-1A7
IC101	6-701-907-01	IC SM1125-AWV-E2

< SHORT >

Ref. No.	Part No.	Description
JC1	1-216-864-11	SHORT CHIP 0
JC2	1-216-864-11	SHORT CHIP 0
JC7	1-216-864-11	SHORT CHIP 0 (C763L)
JC8	1-216-864-11	SHORT CHIP 0
JC9	1-216-864-11	SHORT CHIP 0
JC102	1-216-864-11	SHORT CHIP 0
JC103	1-216-864-11	SHORT CHIP 0
JC104	1-216-864-11	SHORT CHIP 0

MAIN **POWER**

Ref. No.	Part No.	Description			Remark
JC105	1-216-864-11	SHORT CHIP	0		
JC106	1-216-864-11	SHORT CHIP	0		
JC107	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L1	1-428-951-11	COIL, FERRITE-ROD ANTENNA (MW) (AM TRACKING) (C763)			
L1	1-428-952-11	COIL, FERRITE-ROD ANTENNA (LW/MW TRACKING) (C763L)			
L2	1-406-922-11	COIL, AIR-CORE (FM TRACKING)			
L3	1-414-690-21	INDUCTOR	82nH		
L4	1-406-485-11	COIL (OSC)			
		< LIQUID CRYSTAL DISPLAY >			
LCD101	1-805-589-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< TRANSISTOR >			
Q1	8-729-423-52	TRANSISTOR	2SC3931-C (C763L)		
Q2	8-729-423-52	TRANSISTOR	2SC3931-C		
Q3	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR		
Q4	8-729-905-35	TRANSISTOR	2SC4081-R (C763L)		
Q5	8-729-905-35	TRANSISTOR	2SC4081-R		
Q6	8-729-905-35	TRANSISTOR	2SC4081-R		
Q7	8-729-029-14	TRANSISTOR	DTC144EUA-T106		
Q100	8-729-905-35	TRANSISTOR	2SC4081-R		
Q101	8-729-905-35	TRANSISTOR	2SC4081-R		
Q102	8-729-026-53	TRANSISTOR	2SA1576A-T106-QR		
Q103	8-729-029-14	TRANSISTOR	DTC144EUA-T106		
		< RESISTOR >			
R1	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2	1-216-861-11	METAL CHIP	2.2M	5%	1/10W (C763L)
R3	1-216-833-11	METAL CHIP	10K	5%	1/10W (C763L)
R4	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5	1-216-861-11	METAL CHIP	2.2M	5%	1/10W
R6	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (C763L)
R8	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9	1-216-845-11	METAL CHIP	100K	5%	1/10W
R10	1-216-833-11	METAL CHIP	10K	5%	1/10W
R11	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R12	1-216-845-11	METAL CHIP	100K	5%	1/10W
R13	1-216-817-11	METAL CHIP	470	5%	1/10W
R14	1-216-837-11	METAL CHIP	22K	5%	1/10W
R15	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R16	1-216-797-11	METAL CHIP	10	5%	1/10W
R17	1-216-821-11	METAL CHIP	1K	5%	1/10W
R18	1-216-833-11	METAL CHIP	10K	5%	1/10W
R19	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R20	1-216-817-11	METAL CHIP	470	5%	1/10W
R21	1-216-805-11	METAL CHIP	47	5%	1/10W
R22	1-216-809-11	METAL CHIP	100	5%	1/10W
R25	1-216-821-11	METAL CHIP	1K	5%	1/10W
R26	1-216-845-11	METAL CHIP	100K	5%	1/10W
R100	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R101	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R102	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R103	1-216-797-11	METAL CHIP	10	5%	1/10W
R104	1-216-797-11	METAL CHIP	10	5%	1/10W
R105	1-216-813-11	METAL CHIP	220	5%	1/10W
R106	1-216-813-11	METAL CHIP	220	5%	1/10W
R107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R109	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R110	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R111	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R112	1-216-849-11	METAL CHIP	220K	5%	1/10W
R113	1-216-841-11	METAL CHIP	47K	5%	1/10W
R114	1-216-845-11	METAL CHIP	100K	5%	1/10W
R115	1-216-797-11	METAL CHIP	10	5%	1/10W
R117	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R118	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R119	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R120	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R121	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R122	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R123	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R124	1-216-833-11	METAL CHIP	10K	5%	1/10W
R125	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R126	1-216-853-11	METAL CHIP	470K	5%	1/10W
R127	1-216-853-11	METAL CHIP	470K	5%	1/10W
R128	1-216-833-11	METAL CHIP	10K	5%	1/10W
R129	1-216-833-11	METAL CHIP	10K	5%	1/10W
R130	1-216-833-11	METAL CHIP	10K	5%	1/10W
R131	1-216-805-11	METAL CHIP	47	5%	1/10W
R132	1-216-801-11	METAL CHIP	22	5%	1/10W
		< TRANSFORMER >			
T1	1-404-790-11	TRANSFORMER, IF			
		< VIBRATOR >			
X101	1-767-388-11	VIBRATOR, CRYSTAL (75kHz)			
**********					
	A-4547-466-A	POWER BOARD, COMPLETE (C763)			
	A-4547-481-A	POWER BOARD, COMPLETE (C763L)			
		**********			
		< CAPACITOR >			
C80	1-126-964-11	ELECT	10uF	20%	50V
C81	1-126-935-11	ELECT	470uF	20%	16V
C82	1-126-935-11	ELECT	470uF	20%	16V
C83	1-126-926-11	ELECT	1000uF	20%	10V
C84	1-126-935-11	ELECT	470uF	20%	16V
C85	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C86	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C87	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< DIODE >			
D80	8-719-921-40	DIODE	MTZJ-4.7C		
D81	8-719-109-85	DIODE	RD5.1ESB2		
D82	8-719-063-79	DIODE	1N4002B		
D83	8-719-991-33	DIODE	1SS133T-77		
		< COIL >			
L80	1-410-294-31	INDUCTOR	38uH		
		< TRANSISTOR >			
Q80	8-729-011-92	TRANSISTOR	2SC2001TP-K1K2		

Ref. No.	Part No.	Description			Remark
Q81	8-729-011-92	TRANSISTOR 2SC2001TP-K1K2			
Q82	8-729-905-35	TRANSISTOR 2SC4081-R			
Q83	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR			
		< RESISTOR >			
R80	1-216-817-11	METAL CHIP	470	5%	1/10W
R81	1-216-817-11	METAL CHIP	470	5%	1/10W
R82	1-216-821-11	METAL CHIP	1K	5%	1/10W
R84	1-216-833-11	METAL CHIP	10K	5%	1/10W
R85	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R86	1-216-845-11	METAL CHIP	100K	5%	1/10W
		< SWITCH >			
S80	1-554-061-00	SWITCH, SLIDE (NIGHT LIGHT MODE)			
		< FLAT CABLE >			
W81	1-829-129-11	CABLE, FLEXIBLE FLAT (7 CORE)			
**********					
	A-4547-463-A	SUB KEY BOARD, COMPLETE **********			
		< DIODE >			
D86	8-719-941-09	DIODE DAP202U			
D89	8-719-988-61	DIODE 1SS355TE-17			
		< SWITCH >			
S96	1-771-550-11	SWITCH, TACTILE (BAND)			
S97	1-771-550-11	SWITCH, TACTILE (RADIO ON/OFF)			
S98	1-771-550-11	SWITCH, TACTILE (SLEEP)			
S99	1-771-550-11	SWITCH, TACTILE (PRESET)			
**********					
	A-4547-470-A	VOLUME BOARD, COMPLETE **********			
		< RESISTOR >			
R71	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< VARIABLE RESISTOR >			
RV1	1-227-482-11	RES, VAR, CARBON		50K	(◢ VOLUME)
**********					
		MISCELLANEOUS **********			
SP1	1-544-517-51	SPEAKER			
⚠T80	1-468-672-21	POWER UNIT (US, CND)			
⚠T80	1-468-673-21	POWER UNIT (UK)			
⚠T80	1-468-674-21	POWER UNIT (IT, AEP)			
**********					
		ACCESSORIES **********			
	3-266-173-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, GERMAN) (EXCEPT US)			
	3-266-173-21	MANUAL, INSTRUCTION (ENGLISH) (US)			
	3-266-173-31	MANUAL, INSTRUCTION (ITALIAN, DUTCH, PORTUGUESE, SWEDISH, FINNISH) (IT, AEP)			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2004.05	New